

FIG. 1

TECHNOLOGY BUILD KEY TASKS FOR ARCHITECTING NEW BUSINESS SOLUTION

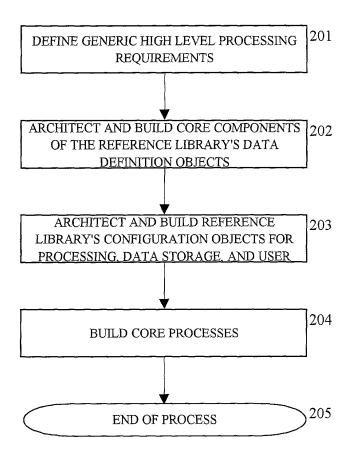


FIG. 2

USER APPLICATION PROCESSING KEY TASKS FOR CONFIGURING APPLICATION PROCESSING

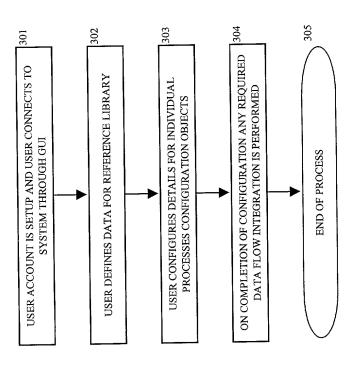


FIG. 3

AUTOMATED DATA PROCESSING INITIAL DATA RECEIPT/EXTRACTION AND PROCESSING

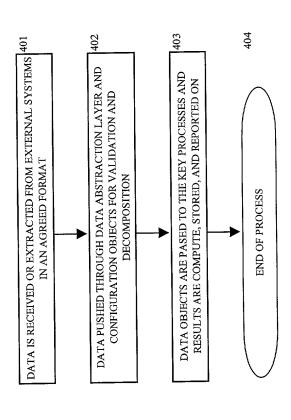


FIG. 4

USER APPLICATION PROCESSING STANDARD USER INTERACTION PROCESS

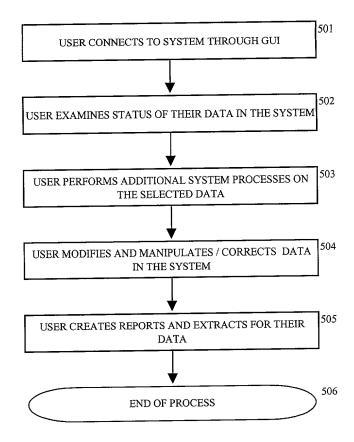


FIG. 5

Reconciliation Manager business process overview

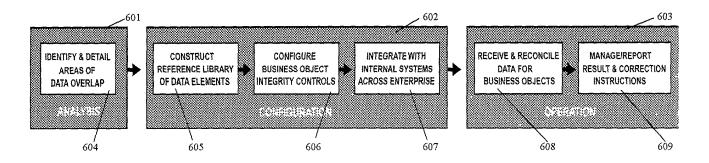


FIG. 6a

Reconciliation Manager operation overview

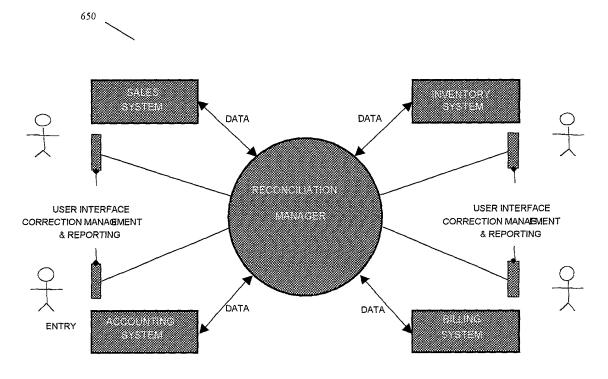


FIG. 6b

OGERHRY OLLEON

RECONCILIATION MANAGER APPLICATION CONFIGURATION PROCESSES

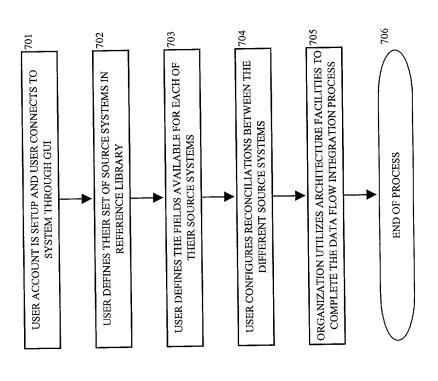


FIG. 7

AUTOMATED DATA PROCESSING RECONCILIATION MANAGER DATA RECEIPT/EXTRACTION AND PROCESSING

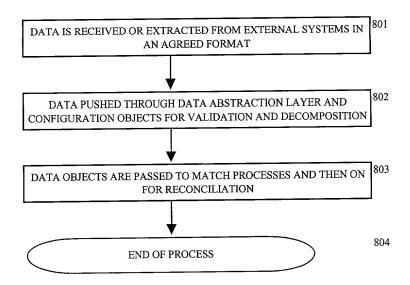


FIG. 8

USER APPLICATION PROCESSING RECONCILIATION MANAGER USER INTERACTION PROCESS

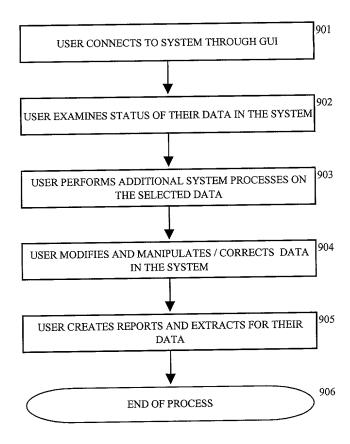


FIG. 9

HIGH LEVEL IN MEMORY OBJECT MODEL

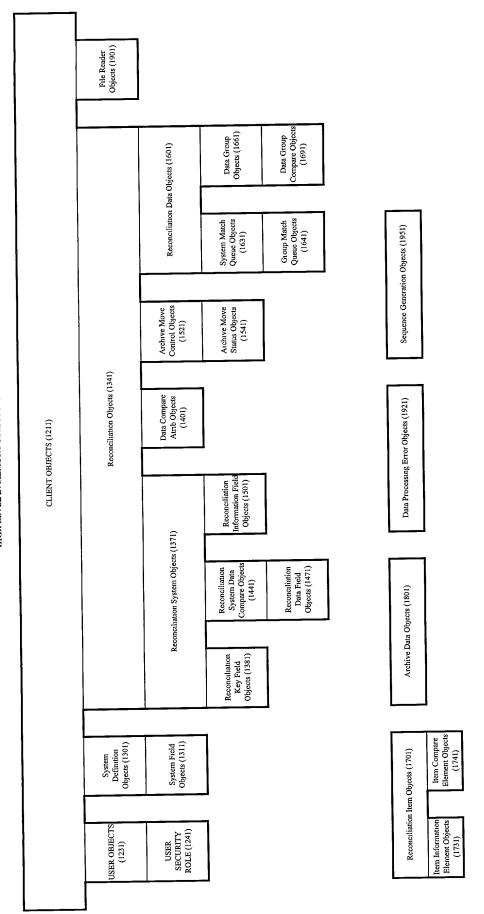


FIG. 10

USER INTERFACE ADAPTER PROGRAMS

ADAPTER PROGRAM NAME	ADAPTER PROGRAM DESCRIPTION	RELATED IN MEMORY OBJECTS
1101 RHCLDISCLAIMFORM JSP	PRODUCT LEGAL NOTICE DISPLAY INTERFACE	NONE
1102 RHLOGIN JSP	USER LOGIN PROGRAM INTERFACE	CLIENT & USER
	APPLICATION MAIN DISPLAY INTERFACE	VARIED
1103 RHMAIN.JSP 1104 RHMAINPROC JSP	APPLICATION MAIN DISPLAT INTERFACE APPLICATION MAIN PROGRAM INTERFACE	VARIED
	CLIENT OBJECT ADAPTER PROGRAMS	CLIENT
1105 RHCLCLIENTFORM JSP	PRIMARY DETAILS DISPLAY / PROGRAM INTERFACE	
1106 RHCLIENTPRMDTLFORM.JSP		CLIENT
1107 RHCLIENTSECDTLFORM.JSP	SECONDARY DETAILS DISPLAY / PROGRAM INTERFACE	CLIENT
1108 RHCLIENTNAMEFORM.JSP	NAME MODIFICATION INTERFACE	CLIENT
1109 RHCLIENTHEADERFORM JSP	HEADER MODIFICATION INTERFACE	CLIENT
1110 RHCLIENTCLDIRSFORM JSP	CLIENT SIDE DIRECTORIES MODIFICATION INTERFACE	CLIENT
1111 RHCLIENTSRVDIRSFORM JSP	SERVER SIDE DIRECTORIES MODIFICATION INTERFACE	CLIENT
1112 RHCLUSERFORM JSP	USER AND USER SECURITY OBJECT ADAPTER PROGRAMS	USER
1113 RHUSERFORM JSP	USER DETAILS DISPLAY / PROGRAM INTERFACE	USER
1114 RHUSERPREFSFORM.JSP	USER PREFERENCES DISPLAY / PROGRAM INTERFACE	USER
1115 RHUSERADDCHNGFORM JSP	USER ADD / MODIFICATION INTERFACE	USER
1116 RHUSERSECROLEFORM.JSP	USER SECURITY DISPLAY / CHANGE MODIFICATION INTERFACE	USER SECURITY ROLE
1117 RHCLSYSFORM JSP	SYSTEM AND SYSTEM FIELDS OBJECT ADAPTER PROGRAMS	SYSTEM
1118 RHSYSFORM JSP	SYSTEM DISPLAY / PROGRAM INTERFACE	SYSTEM
1119 RHSYSADDFORM JSP	SYSTEM ADD INTERFACE	SYSTEM
1120 RHSYSFLDFORM JSP	SYSTEM FIELD DISPLAY / PROGRAM INTERFACE	SYSTEM FIELD
1121 RHSYSFLDADDFORM.JSP	SYSTEM FIELD ADD INTERFACE	SYSTEM FIELD
1122 RHCLRECFORM JSP	RECONCILIATION AND RECONCILIATION SUB OBJECT ADAPTER PROGRAM	RECONCILIATION
1123 RHCLRECPROC JSP	RECONCILIATION PROGRAM INTERFACE	RECONCILIATION
1124 RHRECFORM.JSP	RECONCILIATION DISPLAY / PROGRAM INTERFACE	RECONCILIATION
1125 RHRECADDFORM.JSP	RECONCILIATION ADD INTERFACE	RECONCILIATION
1126 RHRECSYSFORM JSP	RECONCILIATION SYSTEM DISPLAY / PROGRAM INTERFACE	RECONCILIATION SYSTEM
1127 RHRECSYSADDFORM JSP	RECONCILIATION SYSTEM ADD INTERFACE	RECONCILIATION SYSTEM
1128 RHRECKEYFORM.JSP	RECONCILIATION KEY FIELD DISPLAY / PROGRAM INTERFACE	RECONCILIATION KEY FIELD
1129 RHRECKEYADDFORM.JSP	RECONCILIATION KEY FIELD ADD INTERFACE	RECONCILIATION KEY FIELD
1130 RHRECDATFORM JSP	RECONCILIATION DATA DEFINITION DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA COMPARE &DATA COMPARE ATRIB
1131 RHRECDATCMPFORM ISP	RECONCILIATION DATA DEFINITION ADD / MODIFICATION INTERFACE	RECONCILIATION DATA COMPARE &DATA COMPARE ATRIB
1132 RHRECDATFLDADDFORM JSP	RECONCILIATION DATA FIELD ADD INTERFACE	RECONCILIATION DATA FIELD
1133 RHRECINFFORM JSP	RECONCILIATION INFORMATION DISPLAY / PROGRAM INTERFACE	RECONCILIATION INFORMATION FIELD
1134 RHRECINFADDFORM JSP	RECONCILIATION INFORMATION ADD INTERFACE	RECONCILIATION INFORMATION FIELD
1135 RHRECARCHFORM.JSP	RECONCILIATION ARCHIVE CONTROL DISPLAY / PROGRAM INTERFACE	ARCHIVE MOVE CONTROL & ARCHIVE MOVE STATUS
1136 RHRECARCHADDFORM JSP	RECONCILIATION ARCHIVE CONTROL ADD INTERFACE	ARCHIVE MOVE CONTROL
1137 RHRECARCHSTATADDFORM JSP	RECONCILIATION ARCHIVE STATUS ADD INTERFACE	ARCHIVE MOVE STATUS
1138 RHRECOPTFORM.JSP	RECONCILIATION OPTIONS DISPLAY / PROGRAM INTERFACE	RECONCILIATION
1139 RHCLDATFORM.JSP	RECONCILIATION DATA ADAPTER PROGRAMS	RECONCILIATION DATA OBJECTS
1140 RHCLDATPROC.JSP	RECONCILIATION DATA PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1141 RHDATRECFORM JSP	RECONCILIATION DATA DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1142 RHDATRECPROC JSP	RECONCILIATION DATA PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1143 RHGRPDETAILFORM JSP	RECONCILIATION DATA DETAIL DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1144 RHDATFLTRFORM JSP	RECONCILIATION DATA FILTER INTERFACE	RECONCILIATION DATA OBJECTS
1145 RHDATSTATFORM JSP	RECONCILIATION DATA STATUS DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1146 RHCLRPTFORM JSP	RECONCILIATION REPORT ADAPTER PROGRAMS	RECONCILIATION DATA OBJECTS
1147 RHRPTEXPFORM JSP	RECONCILIATION REPORT EXPORT PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1148 RHRPTRECFORM.JSP	RECONCILIATION REPORT DISPLAY / PROGRAM INTERFACE	RECONCILIATION DATA OBJECTS
1149 RHRPTFLTRFORM JSP	RECONCILIATION REPORT FILTER INTERFACE	RECONCILIATION DATA OBJECTS
1150 RHRPTSTATFORM JSP	RECONCILIATION REPORT STATUS DISPLAY INTERFACE	RECONCILIATION DATA OBJECTS
1151 RHCLARCHFORM.JSP	ARCHIVE DATA ADAPTER PROGRAMS	ARCHIVE DATA
1152 RHDATARCHFORM JSP	ARCHIVE DATA DISPLAY INTERFACE	ARCHIVE DATA
1153 RHDATARCHPROC JSP	ARCHIVE DATA PROGRAM INTERFACE	ARCHIVE DATA
	SI ARCHIVE DATA DETAIL DISPLAY INTERFACE	ARCHIVE DATA
1155 RHARCHSTATFORM JSP	ARCHIVE DATA STATUS DISPLAY INTERFACE	ARCHIVE DATA
	P DATA PROCESSING ERRORS ADAPTER PROGRAMS	DATA PROCESSING ERRORS
1157 RHDATPROCERRORSFORM JSP	DATA PROCESSING ERRORS DISPLAY / PROGRAM INTERFACE	DATA PROCESSING ERRORS
1157 RHDATPROCERRORSFORM.JSP 1158 RHCLFRDRFORM JSP	FILE READER ADAPTER PROGRAMS	FILE READER
		FILE READER
1159 RHCLFRDRPROC JSP	FILE READER PROGRAM INTERFACE	FILE READER
1160 RHFRDRFORM.JSP	FILE READER DISPLAY INTERFACE	FILE READER
1161 RHFRDRADDFORM.JSP	FILE READER ADD INTERFACE IS ARCHIVE MOVE CONTROL ADAPTER PROGRAMS	ARCHIVE MOVE CONTROL
	S ARCHIVE MOVE CONTROL ADAPTER PROGRAMS S ARCHIVE MOVE CONTROL PROGRAM INTERFACE	ARCHIVE MOVE CONTROL ARCHIVE MOVE CONTROL
	ARCHIVE MOVE CONTROL PROGRAM INTERFACE ARCHIVE MOVE CONTROL DISPLAY INTERFACE	ARCHIVE MOVE CONTROL ARCHIVE MOVE CONTROL
1165 RHCLABOUTFORM JSP	PRODUCT INFORMATION DISPLAY INTERFACE	NONE
1166 RHJAVADOC JSP	SYSTEM DOCUMENTATION INTERFACE	NONE
1166 RHIAVADOC JSP 1167 RHCONTEXTHELPFORM JSP	APPLICATION CONTEXT HELP DISPLAY / PROGRAM INTERFACE	CONTEXT HELP
1168 RHCOMMONMETHODS JSP	APPLICATION CONTEXT HELP DISPLAT / PROGRAM INTERFACE APPLICATION SHARED METHODS PROGRAM INTERFACE	VARIED
1169 RHCOMMONSCRIPTS JSP	APPLICATION SHARED METHODS PROGRAM INTERFACE APPLICATION SHARED SCRIPTS PROGRAM INTERFACE	NONE
1170 RHCOMMONSTYLES.CSS	APPLICATION SHARED SCREEN FORMATTING CODES	NONE

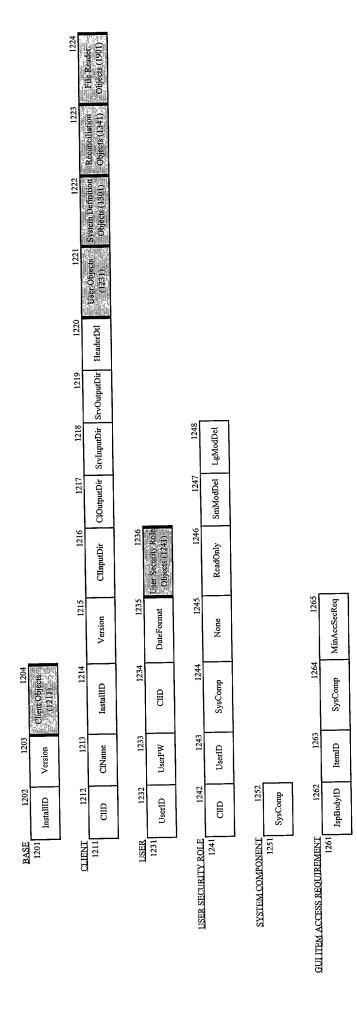


FIG. 12

IN MEMORY REFERENCE LIBRARY OBJECTS

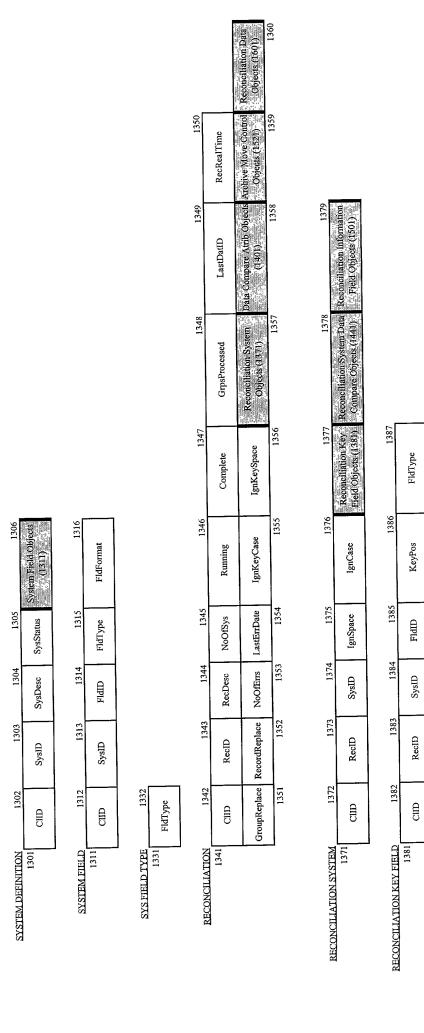


FIG. 13

IN MEMORY REFERENCE LIBRARY OBJECTS

1412	CmpTolAmnt								
1411	CmpPrmSysID CmpTolPrcType CmpTolAmnt								
1410	CmpPrmSysID								
1409	CmpCmpType			791	Reconciliation Data Field Objects (1471).				
1408	IgnCase			1448	СтрОрг			1478	FldType
1407	IgnSpace			1447	CmpDatType			1477	DatPos
1406	CmpDesc CmpDatType			1446	IgnSpace			1476	FldID
1405	CmpDesc			1445	СтрП			1475	CmpID
1404	CmpID			1444	SysID			1474	SysID
1403	RecID			1443	RecID			1473	RecID
1402	CIID	1422 CmpCmpType	1432 CmpTolPrcType	1442	CIID	1462	CmpOprt	1472	CIID
DATA COMPARE ATRIB	1401	COMPARISON TYPE 1421	TOLERANCE TYPE 1431	ECONCILIATION SYSTEM DATA COMPARE	1441	RECONCILIATION COMPARISON OPERATOR	1461	RECONCILIATION DATA FIELD	1471

FIG. 14

IN MEMORY REFERENCE LIBRARY OBJECTS

		1529	NxtSchdDate Archive Move Status Objects (1541)					
1507	FldType	1527	DateType DaysBfrArch LstArchDate NumGrpsArch NxtSchdDate					
1506	InfPos	1526	LstArchDate					
1505	FIdID	1525	DaysBfrArch	1545	StatDesc			
1504	SysID	1524	DateType	1544	GrpStat			-
1503	RecID	1523	RecID	1543	RecID	1553	StatDesc	
1502	CIID	1522	CIID	1542	CIID	1552	GrpStat	
RECONCILIATION INFORMATION FIELD	1501	ARCHIVE MOVE CONTROL	1521	ARCHIVE MOVE STATUS	1541	GROUP STATUS TYPE	1551	-

FIG. 15

IN MEMORY RECONCILIATION DATA MANIPULATION OBJECTS

2.5		System Match Queue Data Group Objects Objects (1631)	7 1618 1619								
1609	DatiD	NoOfDatGrps	1617								
1608	LastGrpID	NoOfManClsdDatGrps NoOfManUngrpdDatGrps	1616							Data Group Compare Objects (1691)	1674
1607	NoOfSys	NoOfManClsdDatGrps	1615					1667	LstSysDatUpd	ErrMessage	1673
1606	LstSysDatUpd	NoOfUnnchedDatGrps NoOfMcthPndRecDatGrps NoOfRcidWthBrkDatGrps NoOfRcidNoBrkDatGrps	1614	1636	Group Match Queue Objects (1641)	1646	GrpID	1666	LstBusDatUpd	НаѕЕпог	1672
1605	LstBusDatUpd	NoOfReldWihBrkDatGrps	1613	1635	SystD	1645	SysID	1665	GrpID	Notes	1671
1604	KeyID	NoOfMchPndRecDatGrps 1	1612	1634	KeyD	1644	KeyID	1664	KeyID	AbsDatGrpID	1670
1603	RecID	NoOfUnmchedDatGrps 1	1611	1633	RecID	1643	RecID	1663	RecID	GrpStat	1669
1602	CIID	NoOfErrDatGrps	1610	1632	CIID	1642	CIID	1662	CIID	NoOfSysUnmch	1668
RECONCILIATION DATA.	1601			SVSTEM MATCH OFFITE	1631	GROUP MATCH QUEUE	1641	DATA GROUP	1661	·	1

FIG. 16

1693

1692

AbsDatGrpID

DATA GROUP COMPARE 1691

IN MEMORY RECONCILIATION DATA MANIPULATION OBJECTS

		Item Information Element Item Compare Blement Objects (1731)	1718 1719					
1709	UserID	AbsDatGrpID	1717			1749	CmpValChar	
1708	RecID	ErrMsg	1716			1748	CmpRefVal CmpDispVal CmpValChar	
1707	SysID	НаѕЕпог	1715			1747	CmpRefVal	
1706	CIID	LastProc	1714			1746	CmpFldIDs	
1705	SysDate	MatchStat	1713			1745	CmpActive CmpDatType CmpFldIDs	CmpStat
1704	BusDate	ItemStat	1712	1734	FldDatChar	1744	CmpActive	CmpFldVals
1703	Item	GrpID	1711	1733	FIdID	1743	СтрП	CmpValNumb CmpValDateTime CmpFldVals
1702	ItemID	MatchKey	1710	1732	ItemID	1742	ItemID	CmpValNumb
RECONCILIATION ITEM	1701		_	ITEM INFORMATION ELEMENT	1731	TIEM COMPARE ELEMENT	1741	

FIG. 17

IN MEMORY ARCHIVE DATA MANIPULATION OBJECTS

		RecitemCmpLmntData	1824
1812	OrigGrpNotes	ReciteminfLuntData RecitemCmpLmntData	1823
1811	OngAbsGrpID	RecItemData	1822
1810	GrpStat	RecitemOrigText	1821
1809	LstSysDatUpd NoOfSysUnmched	celtemMinBusDate RecitemMaxBusDate RecitemMaxSysDate RecitemMaxSysDate RecitemOrigText	1820
. 1808	LstSysDatUpd	RecItemMunSysDate	6181
1807	LstBusDatUpd	RecItemMaxBusDate	1818
1806	OrigGrpID	RecItemMinBusDate	1817
1805	KeyID	DatGrpCmpData	1816
1804	RecID	GrpMchQueData	1815
1803	CIID	OngGrpHasBrror OngGrpBrrMessage GrpMchQueData DatGrpCmpData	1814
1802	ArchGrpID	OngGrpHasError	1813
ARCHIVE DATA	1801		

FIG. 18

MISCELLANEOUS IN MEMORY OBJECTS

		1931	ItemID				
		1930	ErrText				
		1929	FileName				
1908	ErrMsg	1928	FrdrID				
1907	SdInProg	1927	RecID			1961	CurrHelpText
1906	Active	1926	CIID			1966	OrigHelpText
1905	FOutputDir	1925	ЕπDateTime			1965	LanguageID OrigHelpText CurrHclpText
1904	FInputDir	1924	ErrTypeDesc ErrDateTime			1964	FieldID
1903	FrdrID	1923	ЕпТуре	1953	SeqNumber	1963	FormID
1902	CIID	1922	ErrID	1952	SeqName	1962	CIID
FILE READER	1901	DATA PROCESSING ERRORS	1921	SEQUENCE GENERATION	1951	CONTEXT HELP	1961

FIG. 19

DATABASE TABLES

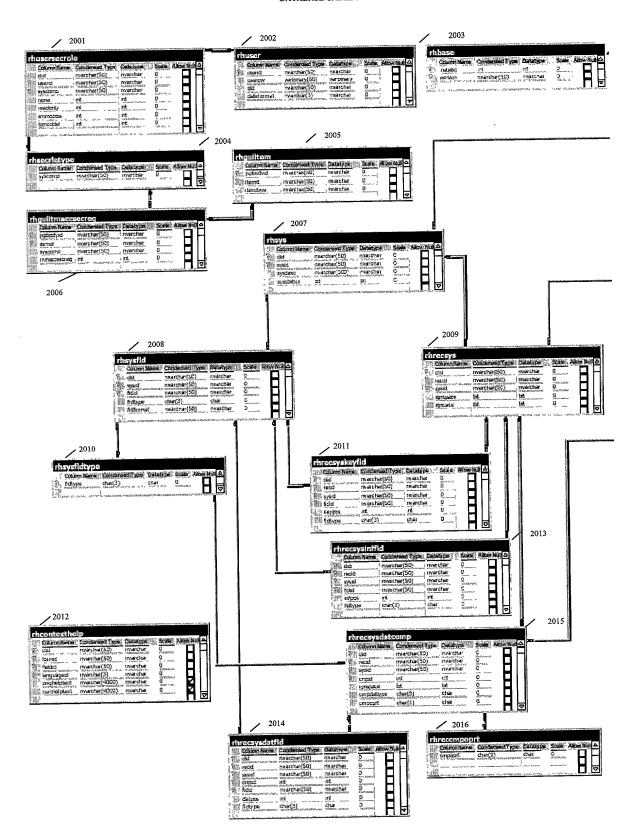


FIG. 20

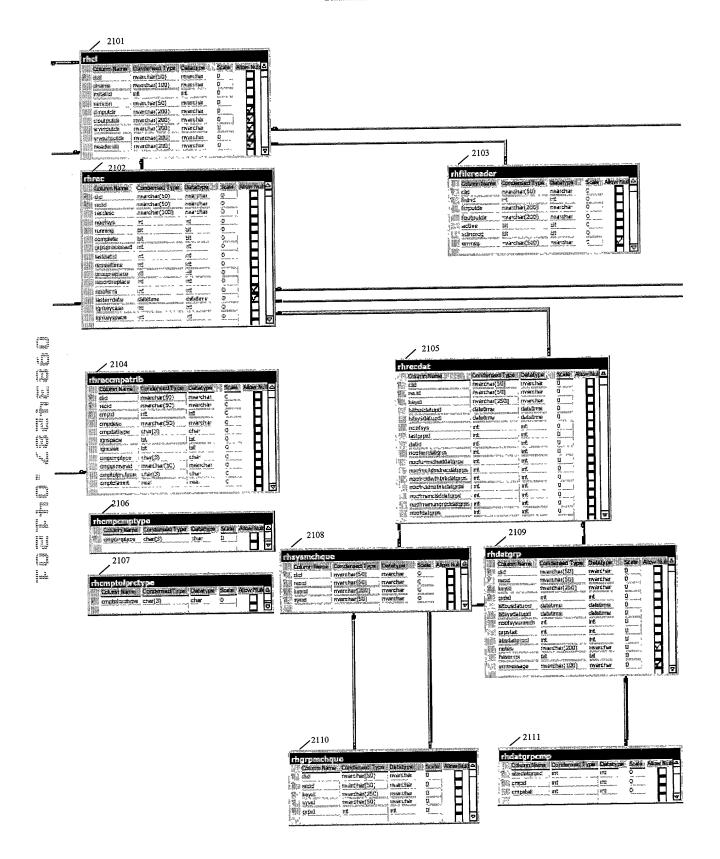


FIG. 21

DATABASE TABLES

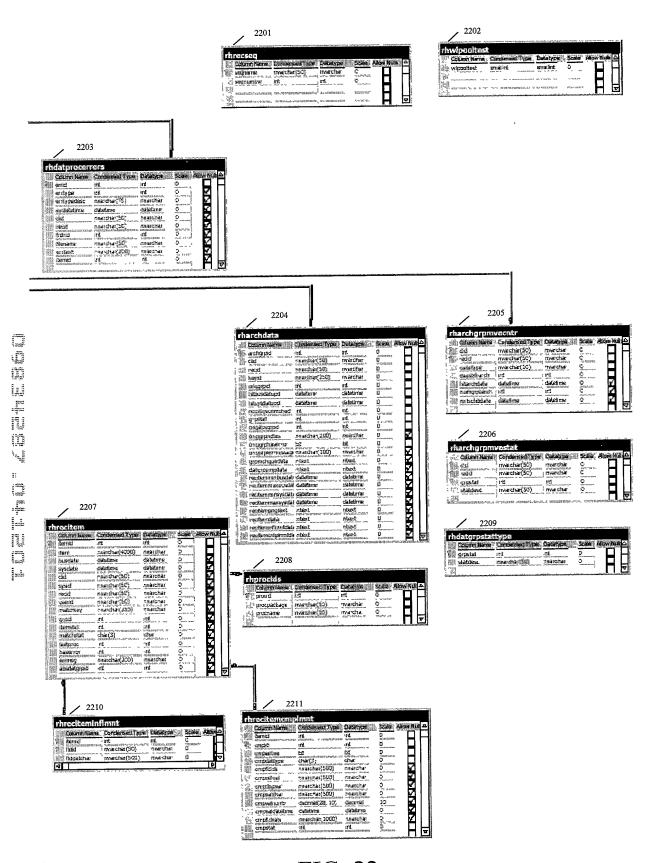


FIG. 22

REFERENCE LIBRARY PROCESSES DEFINE SOURCE SYSTEM FOR REFERENCE LIBRARY

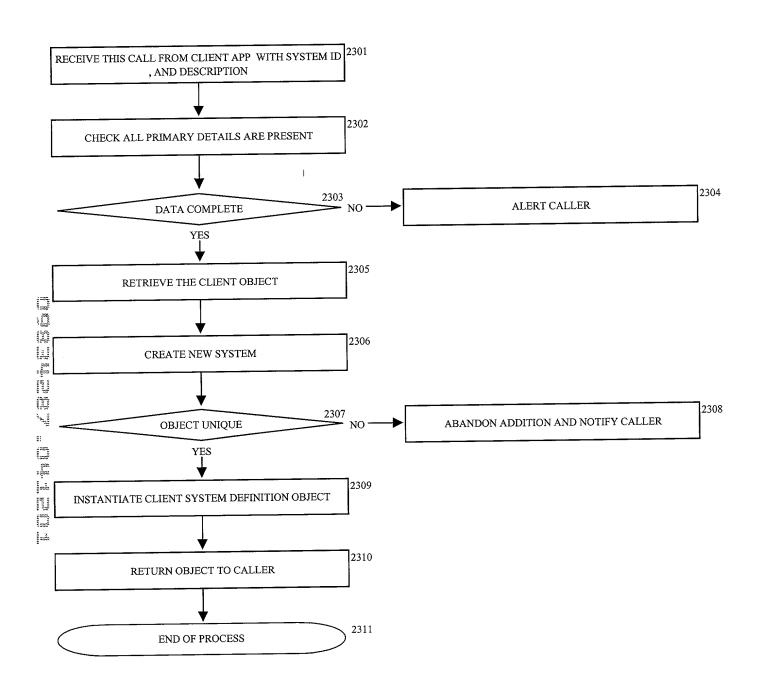


FIG. 23

REFERENCE LIBRARY PROCESSES DEFINE SYSTEM FIELD FOR SOURCE SYSTEM

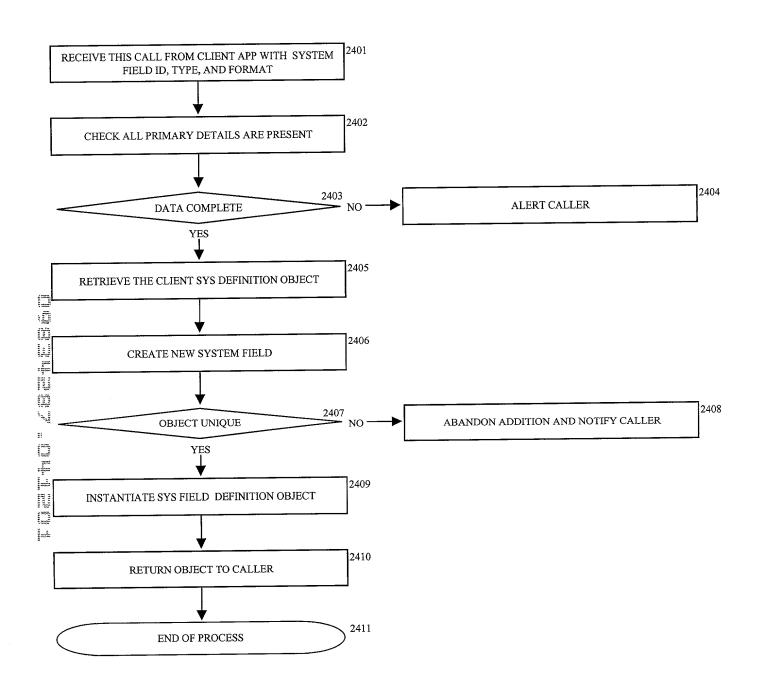


FIG. 24

REFERENCE LIBRARY PROCESSES CREATE RECONCILIATION DEFINITION

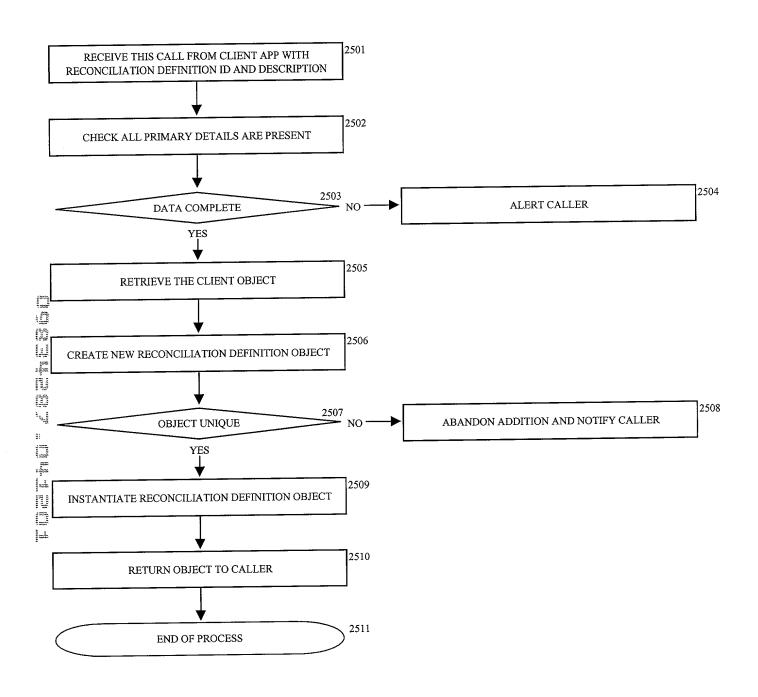


FIG. 25

REFERENCE LIBRARY PROCESSES ADD SOURCE SYSTEM TO RECONCILIATION DEFINITION

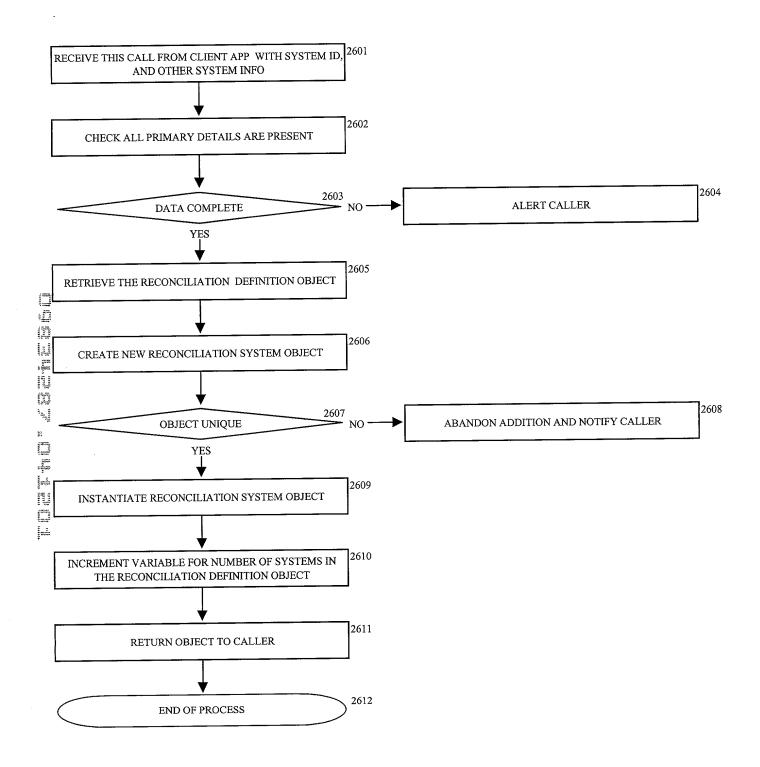


FIG. 26

REFERENCE LIBRARY PROCESSES ADD KEY FIELD TO RECONCILIATION SYSTEM

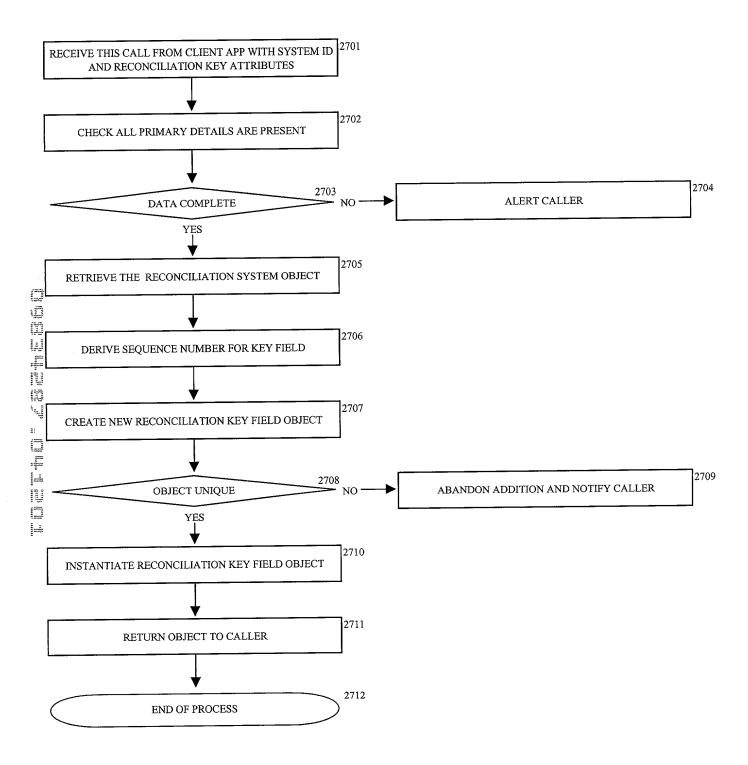


FIG. 27

REFERENCE LIBRARY PROCESSES CREATE DATA COMPARISON IN RECONCILIATION DEFINITION

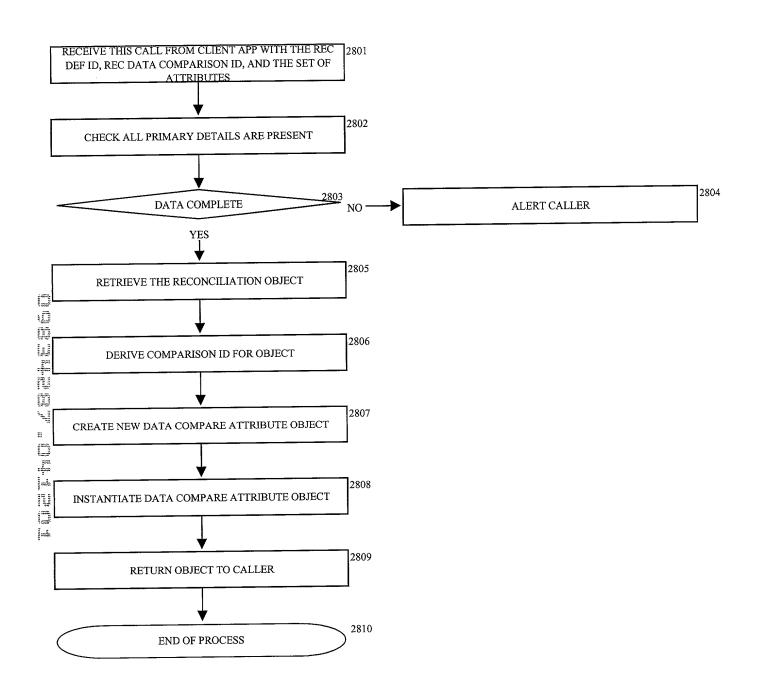


FIG. 28

REFERENCE LIBRARY PROCESSES ADD DATA FIELD TO RECONCILIATION SYSTEM DATA COMPARISON

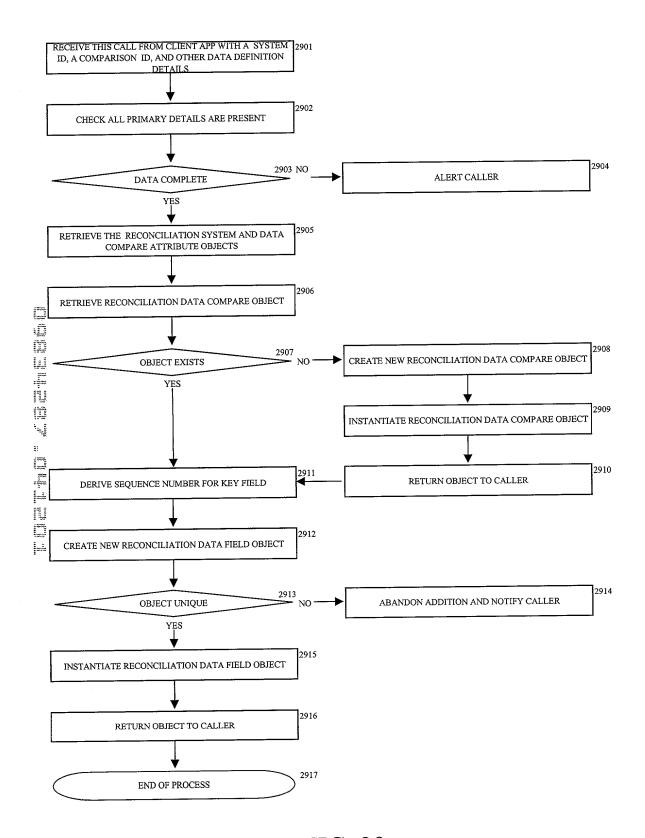


FIG. 29

REFERENCE LIBRARY PROCESSES ADD INFORMATION FIELD TO RECONCILIATION SYSTEM

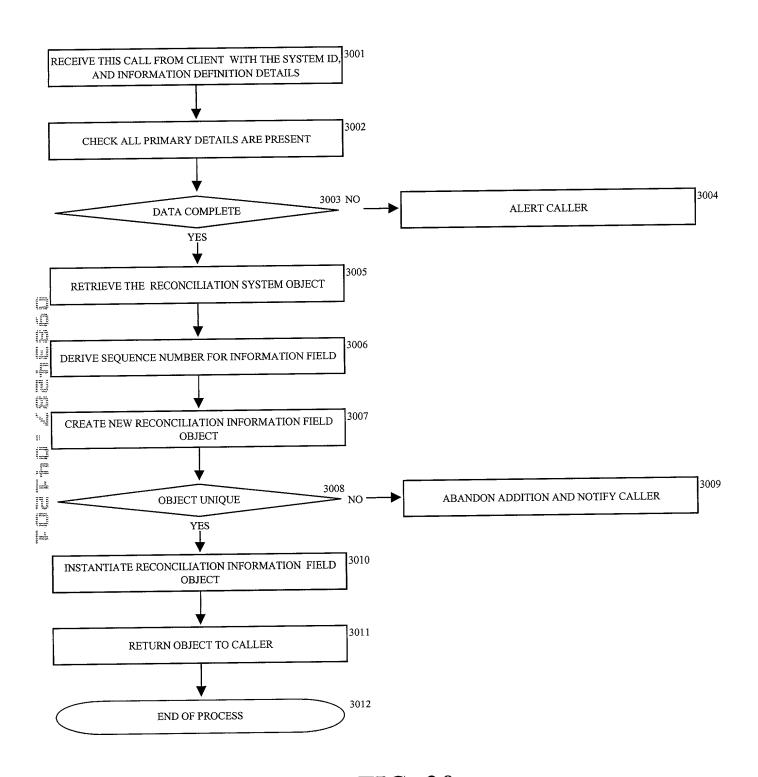


FIG. 30

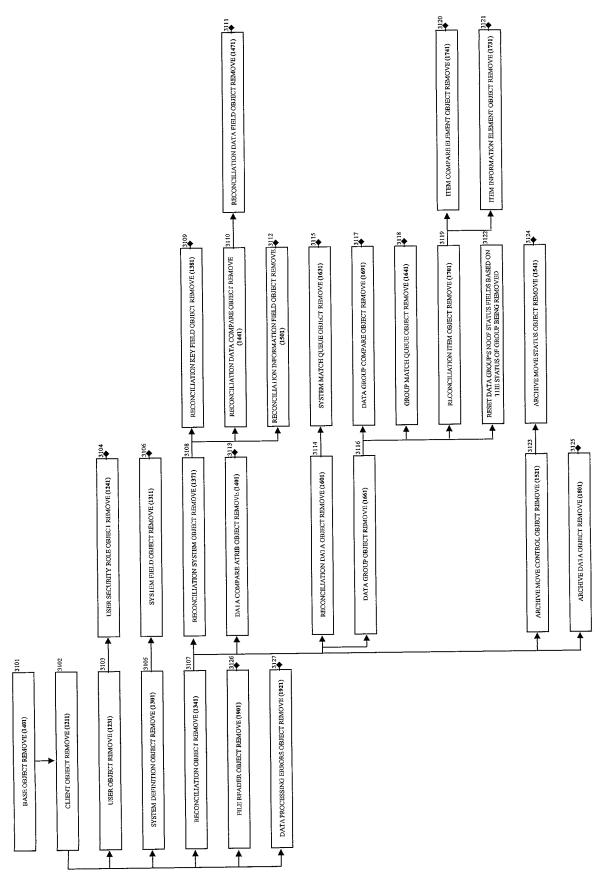


FIG. 31

MESSAGE RELATED PROCESSES PROCESS SINGE RECONCILIATION MESSAGE

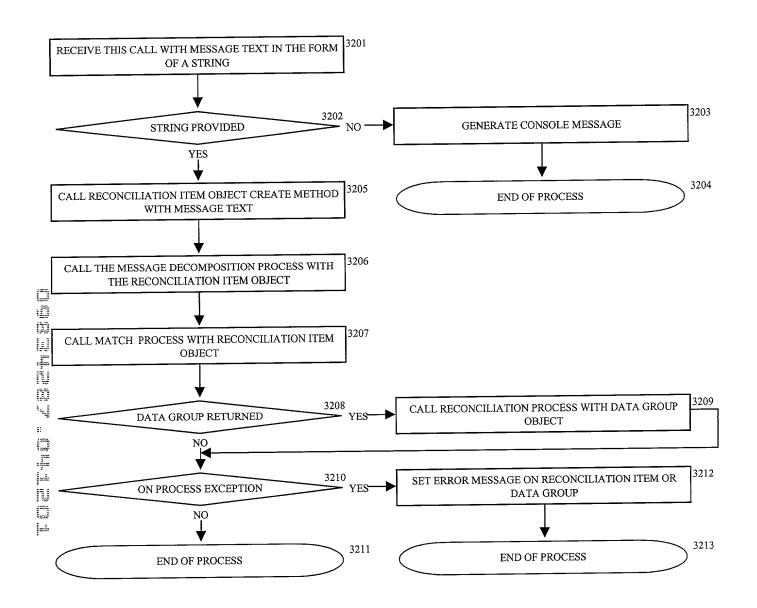


FIG. 32

MESSAGE RELATED PROCESSES CREATE RECONCILIATION ITEM OBJECT

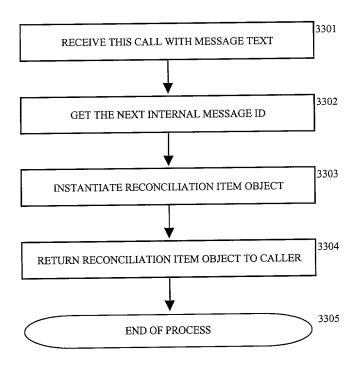


FIG. 33

MESSAGE RELATED PROCESSES DECOMPOSE RECONCILIATION ITEM

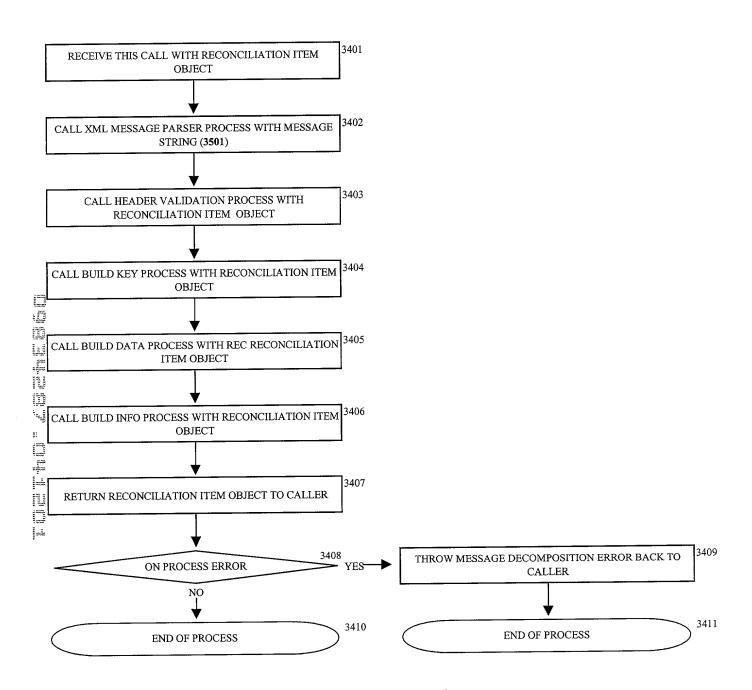


FIG. 34

MESSAGE RELATED PROCESSES XML MESSAGE PARSER

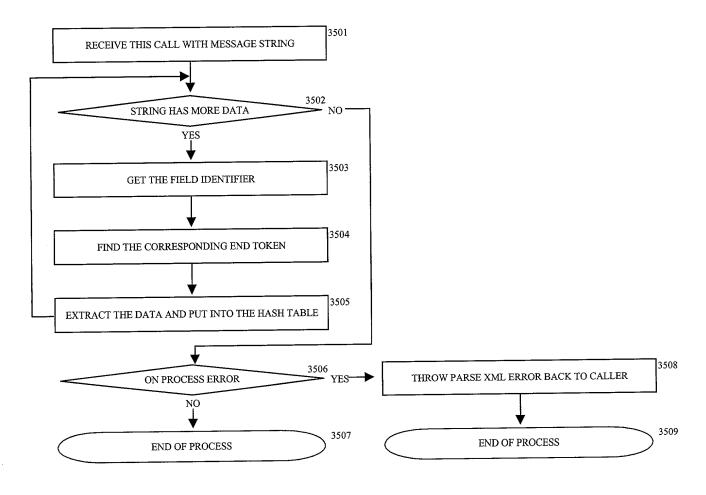


FIG. 35

MESSAGE RELATED PROCESSES PROCESS HEADER DETAILS

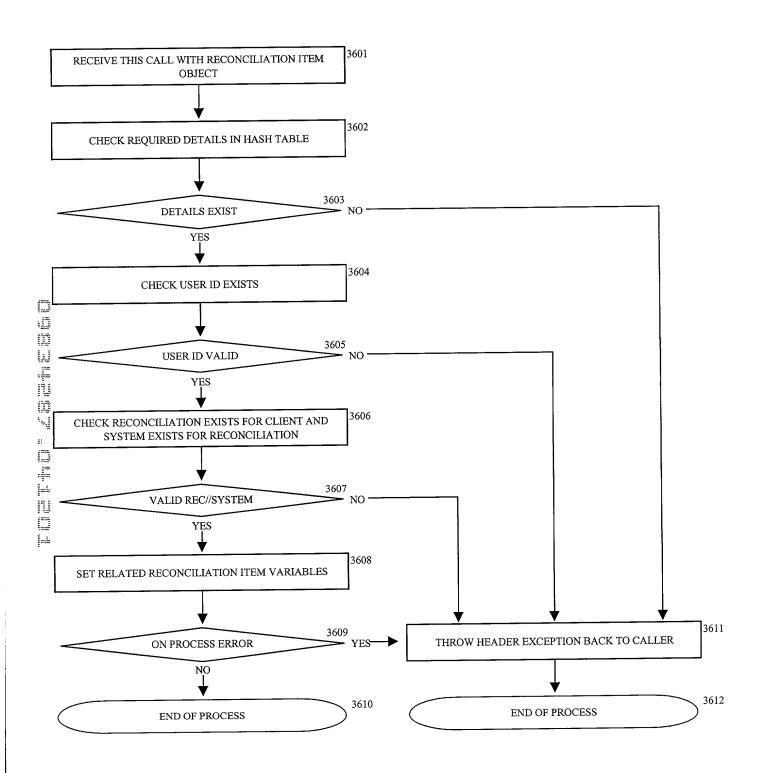


FIG. 36

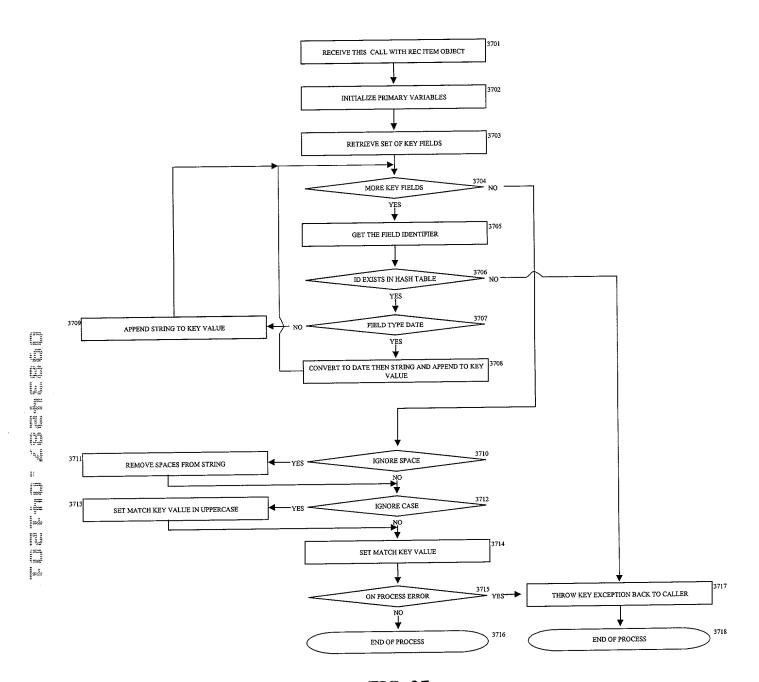


FIG. 37

MESSAGE RELATED PROCESSES BUILD DATA

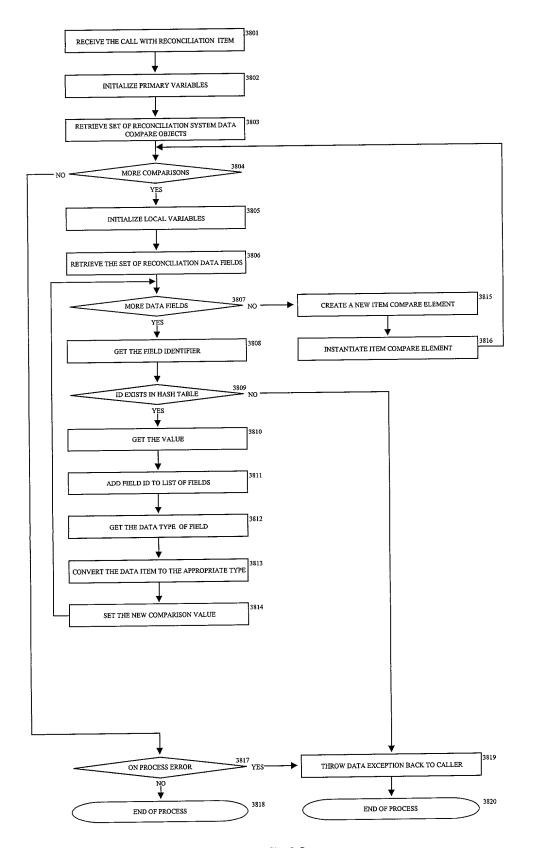


FIG. 38

FIG. 39

MESSAGE RELATED PROCESSES MATCH

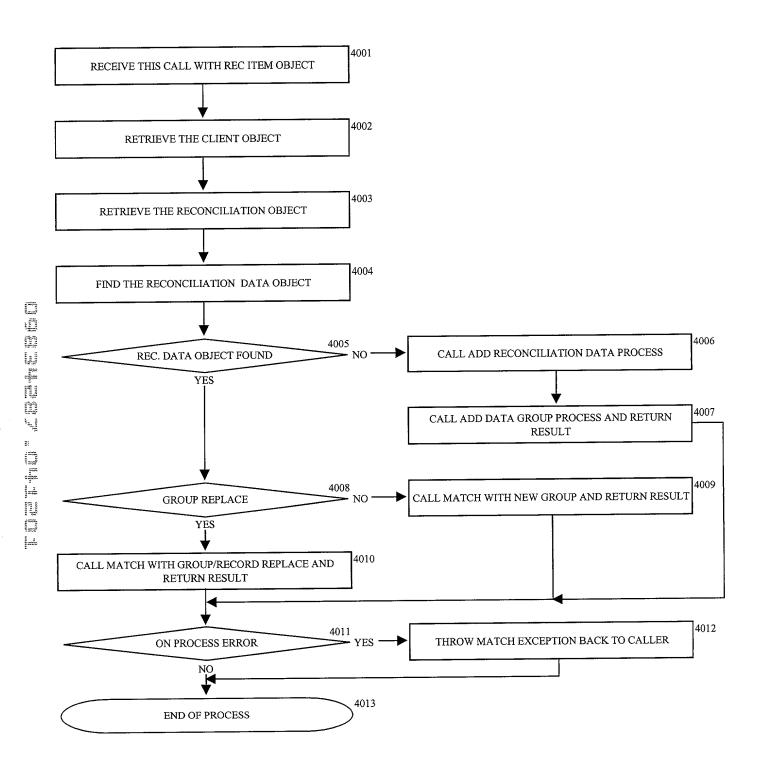


FIG. 40

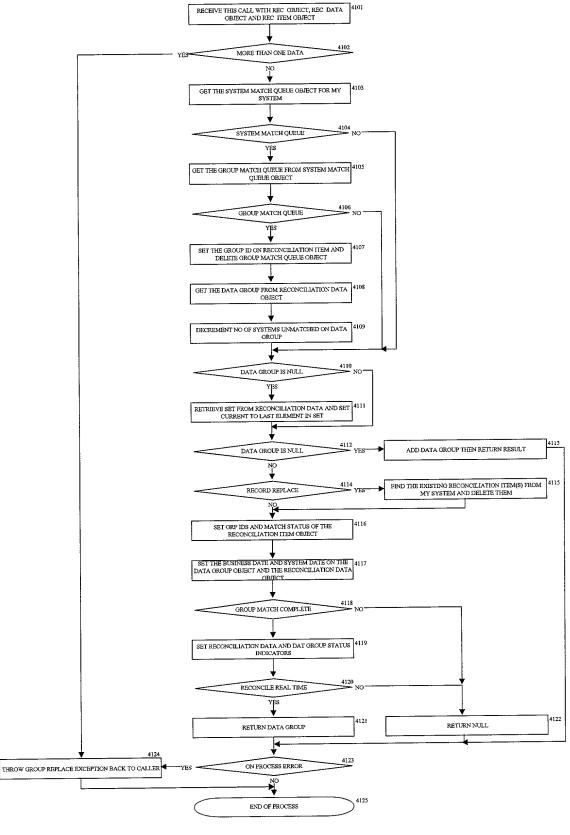


FIG. 41

MESSAGE RELATED PROCESSES MATCH WITH NEW GROUP

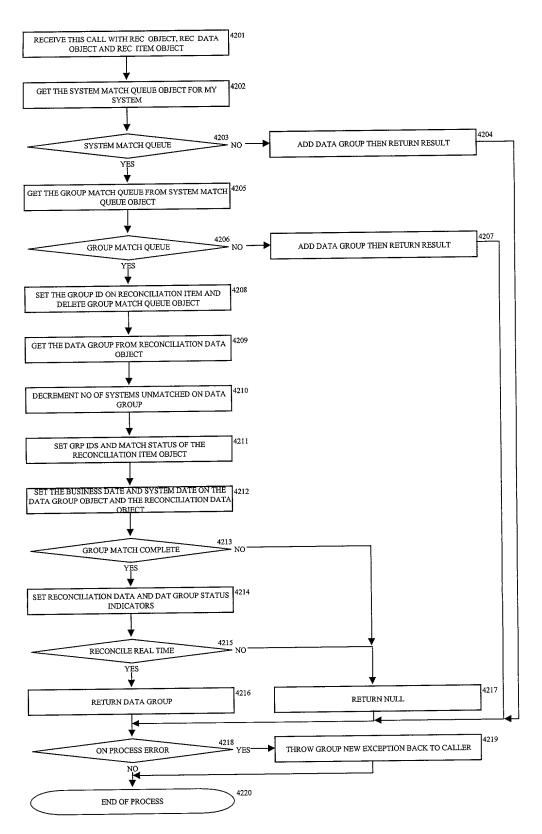


FIG. 42

MESSAGE RELATED PROCESSES CREATE RECONCILIATION DATA OBJECT

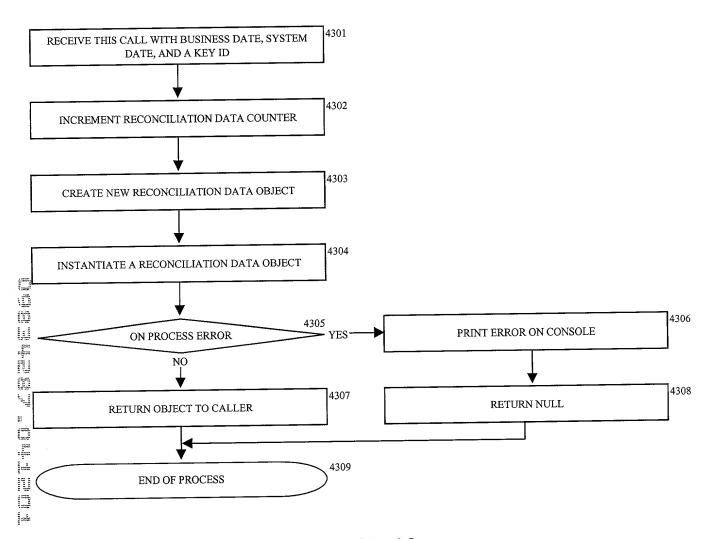


FIG. 43

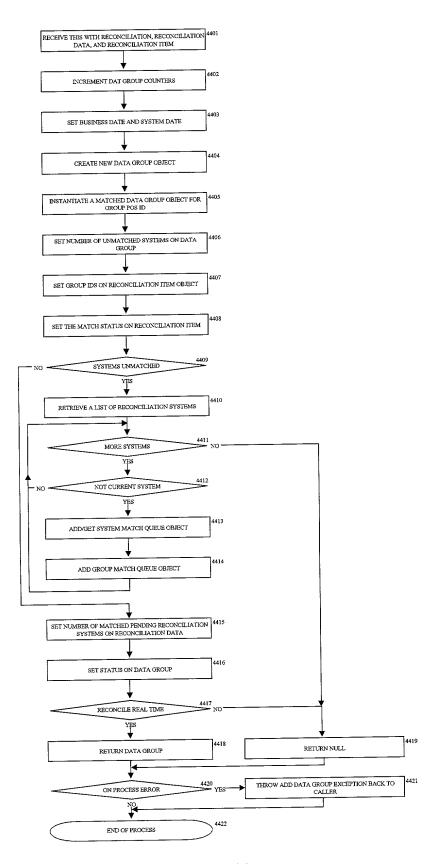


FIG. 44

MESSAGE RELATED PROCESSES RECONCILE

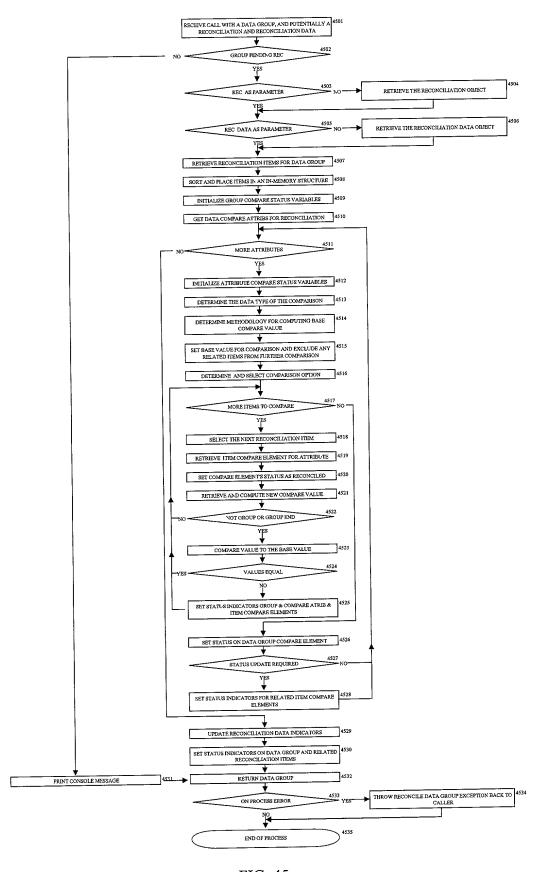


FIG. 45

DATA INTEGRATION PROCESSES DIRECT MESSAGE BASED DATA INTEGRATION

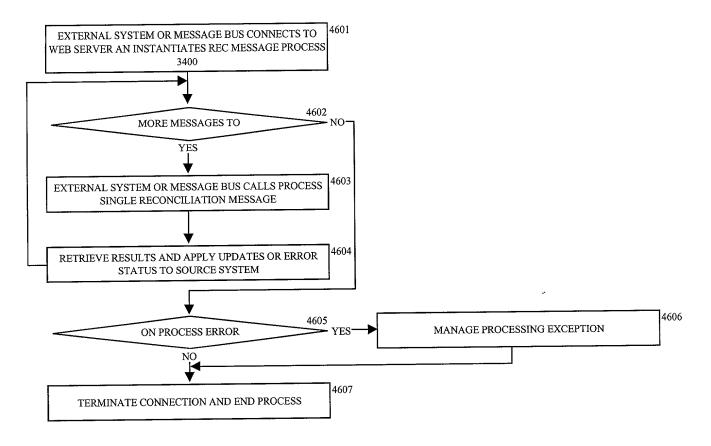


FIG. 46

FIG. 47

DATA INTEGRATION PROCESSES FILE BASED DATA INTEGRATION

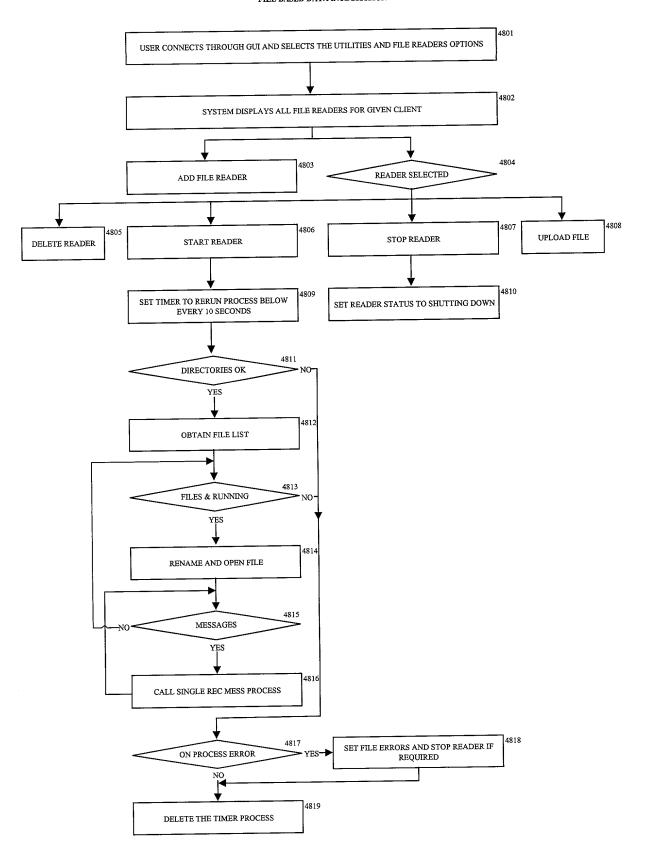


FIG. 48

USER DRIVEN DATA PROCESSES DATA RETRIEVAL / REVIEW / UPDATE

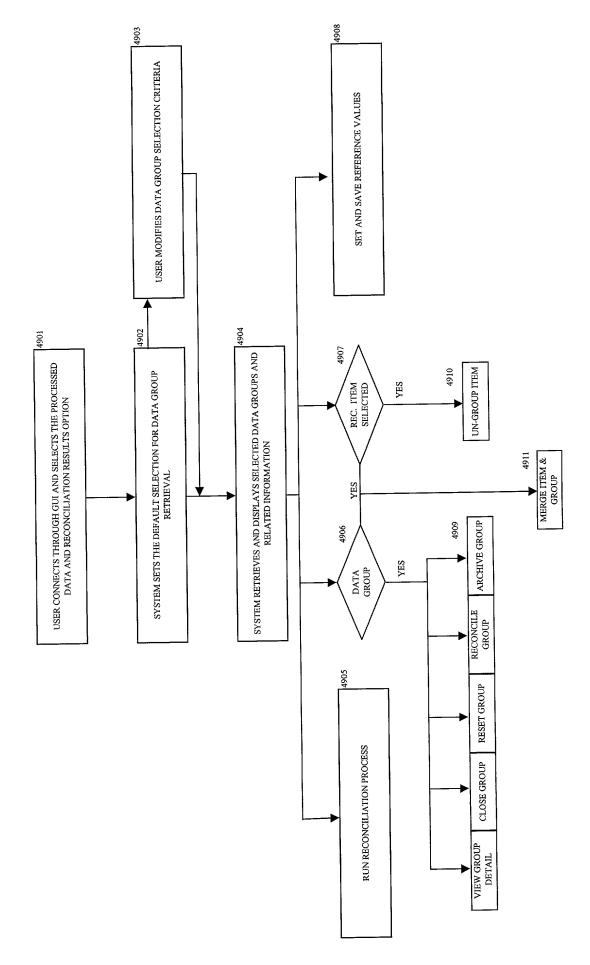


FIG. 49

USER DRIVEN DATA PROCESSES REPORT CREATION / EXTRACTION / UPDATING

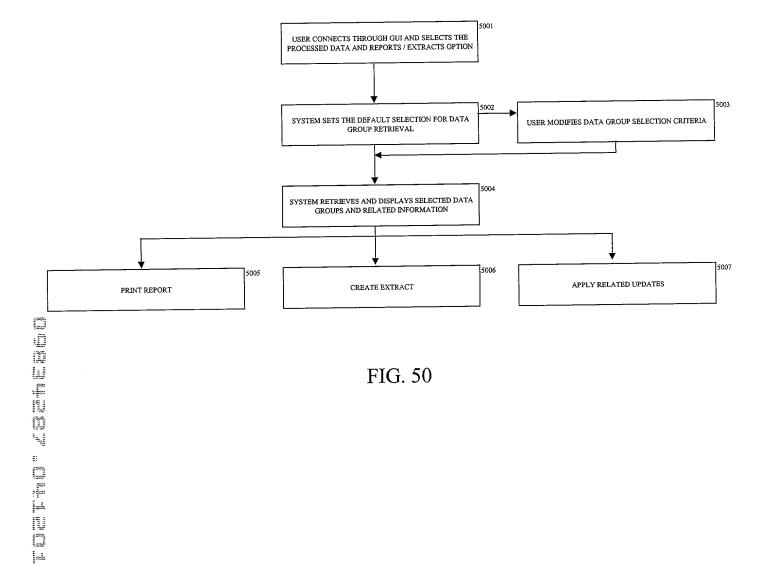


FIG. 50

USER DRIVEN DATA PROCESSES CLIENT DETAIL MODIFICATION

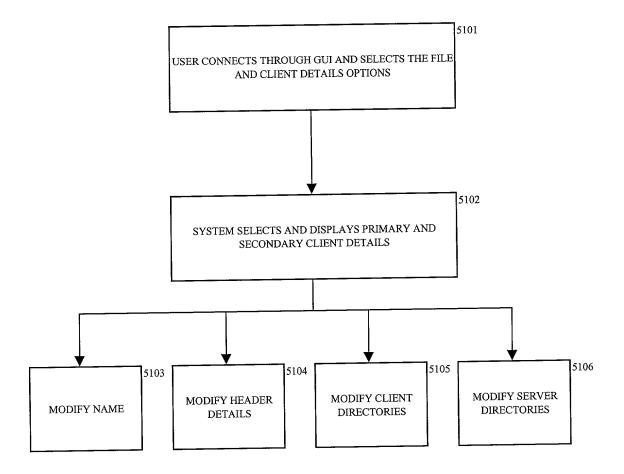


FIG. 51

USER DRIVEN DATA PROCESSES USER ADD / DELETE / DETAIL MODIFICATION

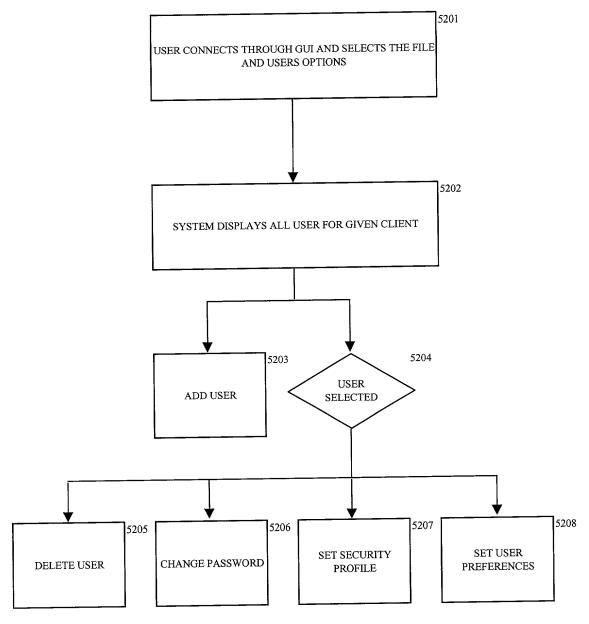


FIG. 52

ARCHIVE RELATED PROCESSES MOVE DATA GROUP TO ARCHIVE

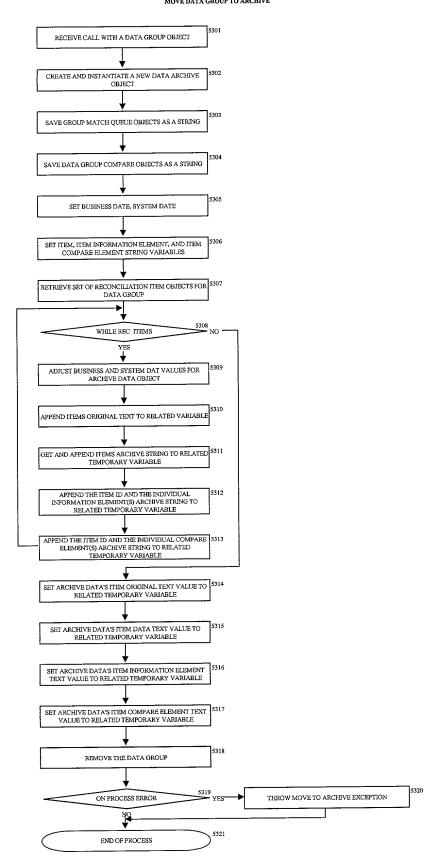


FIG. 53

ARCHIVE RELATED PROCESSES RESTORE DATA GROUP FROM ARCHIVE

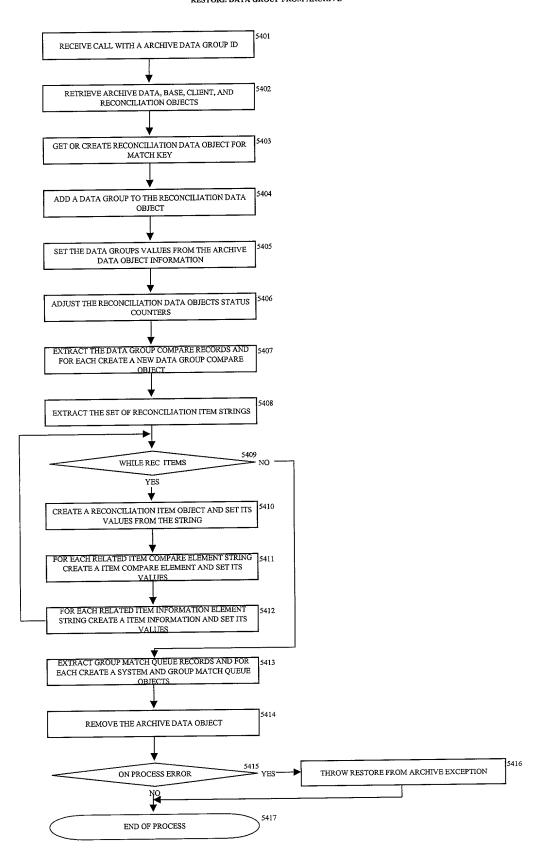
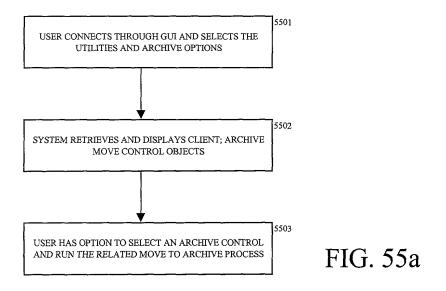


FIG. 54

USER DRIVEN DATA PROCESSES ARCHIVE GROUP MANAGEMENT



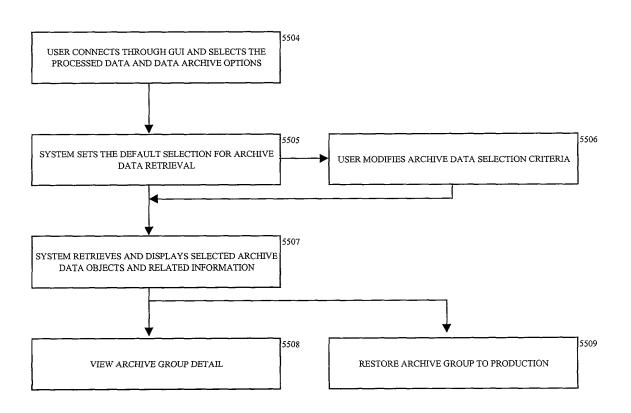


FIG. 55b

USER DRIVEN DATA PROCESSES ERROR REVIEW AND MANAGEMENT

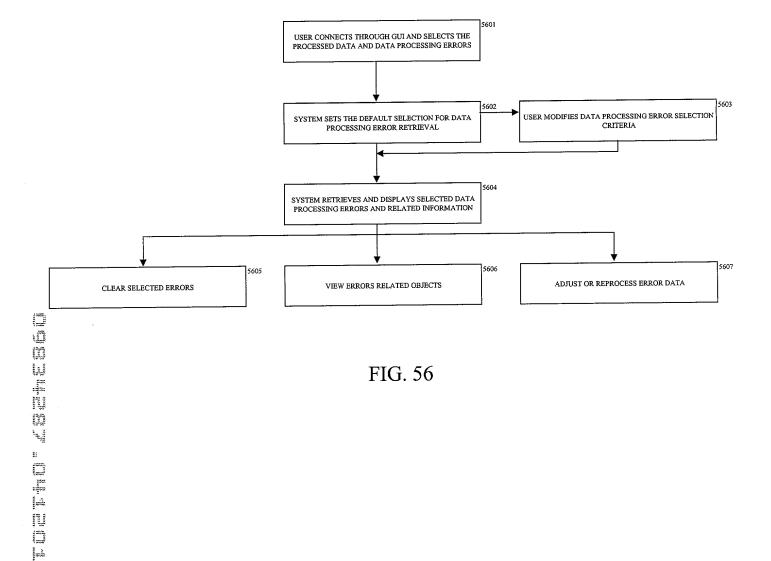


FIG. 56